

ABSTRACT

[0042] A system and method for manufacturing polymer mat utilizes reduced capacity spinning pumps. The system includes at least one extruder, at least one pump receiving an extruded polymer, and a plurality of spinning packs each having a plate with multiple orifices. One or more of the spinning packs has a lesser number of orifices than the remaining spinning packs. Therefore, when extruding fibers to form polymer mats, a less dense amount of fibers are disposed along selected locations (e.g., laterally marginal areas of the mat). By this system and associated method, the amount of trim generated in the production of polymer fibers may be reduced. This results in increased efficiency in the fabrication of spunbond or woven mats.